

**To:** Naranjo, Eugenia[Naranjo.Eugenia@epa.gov]; Warner, Len[lwarner@louisberger.com]; Franklin, Elizabeth A NWK[Elizabeth.A.Franklin@usace.army.mil]; AccardiDey, AmyMarie[aaccardidey@louisberger.com]  
**Cc:** Brian Mikucki[bmikucki@tierrasolutionsinc.com]  
**From:** Clifford Firstenberg  
**Sent:** Wed 10/19/2016 6:56:46 PM  
**Subject:** RE: Logistics update  
[removed.txt](#)

Thanks...

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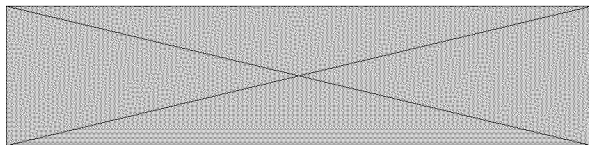
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Clifford E. Firstenberg  
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*Thank You.*

**From:** Naranjo, Eugenia [mailto:Naranjo.Eugenia@epa.gov]  
**Sent:** Wednesday, October 19, 2016 2:33 PM  
**To:** Warner, Len <lwarner@louisberger.com>; Clifford Firstenberg <cfirstenberg@tierrasolutionsinc.com>; Franklin, Elizabeth A NWK <Elizabeth.A.Franklin@usace.army.mil>; AccardiDey, AmyMarie <aaccardidey@louisberger.com>  
**Cc:** Brian Mikucki <bmikucki@tierrasolutionsinc.com>  
**Subject:** RE: Logistics update

Len,

I did mention in my email that ASI had done this before and it seemed a reasonable approach.,

**From:** Warner, Len [mailto:lwarner@louisberger.com]  
**Sent:** Wednesday, October 19, 2016 2:13 PM  
**To:** Clifford Firstenberg <cfirstenberg@tierrasolutionsinc.com>; Naranjo, Eugenia <Naranjo.Eugenia@epa.gov>; Franklin, Elizabeth A NWK <Elizabeth.A.Franklin@usace.army.mil>; AccardiDey, AmyMarie <aaccardidey@louisberger.com>  
**Cc:** Brian Mikucki <bmikucki@tierrasolutionsinc.com>  
**Subject:** RE: Logistics update

Hi Cliff:

Did I ever specifically say that I was talking with ASI? I don't recall that I did...apparently some vibracoring contractors are sensitive about describing their atypical/less frequently used coring techniques in case someone should be incautious about how much sediment they try to collect at one time vs. the capacity of their winch and davit/A-frame.

That said, in response to your question:

When we add the barrels to the side of the main barrel attached to the head, there is NO check valve that we use. We rely heavily on the core catchers and only use this method for volume reasons and for specific projects. Also we consider the type of material we are trying to collect as it does work well for some sediments. We have tried a couple of things to try to use as valves but they just pop off or blow out upon collection.

Best regards, Len

**Len Warner**

Director | Environmental Evaluation & Forensics

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**From:** Clifford Firstenberg [<mailto:cfirstenberg@tierrasolutionsinc.com>]  
**Sent:** Tuesday, October 18, 2016 1:01 PM  
**To:** Naranjo, Eugenia <[Naranjo.Eugenia@epa.gov](mailto:Naranjo.Eugenia@epa.gov)>; Franklin, Elizabeth A NWK <[Elizabeth.A.Franklin@usace.army.mil](mailto:Elizabeth.A.Franklin@usace.army.mil)>; AccardiDey, AmyMarie <[aaccardidey@louisberger.com](mailto:aaccardidey@louisberger.com)>; Warner, Len <[lwerner@louisberger.com](mailto:lwerner@louisberger.com)>  
**Cc:** Brian Mikucki <[bmikucki@tierrasolutionsinc.com](mailto:bmikucki@tierrasolutionsinc.com)>  
**Subject:** Logistics update  
**Importance:** High

I spoke with Eugenia a few minutes ago and told her I would update the team on our conversation.

In pulling our inventory of excess core liner stored at Lister, it turns out it is 3 5/8 OD liner that we used with OSI's vibracorer. ARCADIS' vibracorer, however, needs a minimum 3 3/4 OD

liner, so we just hit a brick wall as far as starting on Thursday. We are pursuing the following options:

1. Traditional approach: we are getting info on lead time to get new core liner and caps for the traditional approach of a single barrel core of nominal 4-inch diameter.
2. Multi-liner: based on Eugenia's email and info from ASI regarding multiple cores at one time, we may be able to take advantage of an overstock of 3-inch liner that ARCADIS has in Syracuse that we could use as described by ASI.

As the afternoon progresses, I will keep everyone updated.

Len – can you get more info from ASI about how they affix the valves at the top of the liners?

Thanks  
Cliff

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